

### AIRMUNITIONS SPECIFICATIONS

1. One copy of FMS shipping documents shall be furnished to OO-ALC/WMR Attn: Linda Skeen by mail to 6043 Elm Lane, Hill AFB, UT 84056-5819 or FAX to (801) 777-1089, and shall include FMS Case and requisition numbers.
2. DODIC Number is: ZY57
3. Ammunition lot numbering shall be accomplished. Reference MIL-STD-1168B for guidance.
4. Ammunition Data Cards shall be filled out and state quantity/serial number of lot acceptance test units in the remarks block (DI-MISC-80043A).
5. Serial numbers are required for each item.
6. Items are to be marked using accepted practices for marking of explosive device (reference MIL-STD-130K for guidance). Minimum item marking shall include Manufacturer Part Number, Lot Number (reference MIL-STD-1168B for guidance), Serial Number, and Date of Manufacture. Item markings shall make no reference to service life or installation procedures.
7. The vendor shall serialize items sequentially for this (each) part number. Do not repeat those numbers used for previous lots until highest possible serial number has been reached. Serial numbers shall be a minimum of 4 digits.
8. Shipping activities shall prepare a Report of Shipment (REPSHIP)
9. Hazard Class/division: 1.4
10. Storage Compatibility Group: S
11. DOT Marking: Cartridges for Weapons, Blank
12. DOT Class: 1.4S
13. DOT Label: Explosives, 1.4S
14. UN Serial No: 0014
15. UN Proper Shipping Name: Cartridges for Weapons, Blank.
16. All configuration actions shall be in accordance with Industry Standard EIA-649.

17. The ACO, in accordance with Industry Standard EIA-649, shall have Class II approval authority.
18. Lot Acceptance Test requirements are: IAW latest government approved ATP.
19. The contractor shall furnish a Test/Inspection Report, Lot Acceptance Test, (DI-NDTI-80809B).
20. LOT ACCEPTANCE TEST: In the event of an end item firing failure, the contractor shall notify the responsible Air Force Engineering Organization, OO-ALC/WMJ by FAX within 24 hours. FAX is (801) 777-9484.
21. Proposed corrective actions and recommendations shall be furnished in a Failure Analysis and Corrective Action Report (DI-RELI-81315).
22. The age of explosive components (i.e. manufactured cartridges, cast propellant grains, detonating cord etc) except bulk Energetic Material and primers used in the manufacture of these items will not exceed 12 months. Primers shall have been certified/re-certified within the past 12 months unless they are Navy certified and have a 2-year certification. The acceptability of bulk energetic material used in the manufacture of this item will be demonstrated by lot Acceptance Test Data. Non-explosive ingredients such as binders and oxidizers which do not degrade with age, are excluded from this 12 month requirement. The government may waive this requirement on a case-by-case basis (when advantageous to the government) provided the contractor provides all details of the reason for the waiver and the age and lot numbers of the subject components. The waiver (if granted) may be subject to conditions such as sensitivity testing of dehumidification.
23. If Hexanitrostilbene (HNS) explosive material is used in the manufacture of this item, the HNS shall meet the requirements of Government Document WS5003F (or latest revision), Purchase Description of HNS Explosive; and maximum particle size shall not exceed 250 microns.

## AIRMUNITIONS SPECIFICATIONS (CONT)

REPORT OF SHIPMENT (REPSHIP): Contractor will be responsible to transmit REPSHIP's to the appropriate consignee or CONUS water or air terminal transportation officer (T.O.) and the following service accountable supply activity: OOALC HILL AFB UT//WMR//. Such notice will be transmitted by electrical means, fax 801-777-1089, or email: [jweeks@armamenthill.af.mil](mailto:jweeks@armamenthill.af.mil) or [jeff.weeks@hill.af.mil](mailto:jeff.weeks@hill.af.mil). To be received 24 hours prior to the arrival of the shipment. A telephone REPSHIP to appropriate T.O. will be made when necessary to ensure receipt in advance of shipment arrival and later confirmed by message to all addresses.

A copy of the bill of lading does not meet the requirements of a REPSHIP for ammunition, explosives and inert components. A REPSHIP will include the following data IAW DOD 4500.32R and the DOD 4500.9-R PART 2(DTR).

FROM: (Shipping Activity)

TO: (Domestic Customer or Transshipping Activity Clearance Authority (Ocean) or Customer Service Branch (CSB) (AIR)

INFO: OO-ALC HILL AFB UT//WMR//

SUBJECT: REPSHIP

Conveyance Number.

- a. Carrier and routing, bill of lading number, NEW.
- b. Seal number(s) and any other security devices applied, such as locks, wire twists, etc.
- c. Type of Transportation Protective Service (TPS), i.e., Signature Tally (ST), Constant Surveillance Service (CS), Rail Armed Guard Surveillance Service (RG), NONE, etc., and TX-GS service number, when applicable.
- d. Shipment date written as a 3-digit day of the year.
- e. ETA written as a 3-digit day of the year.
- f. For surface shipments, ETR number and vessel name and/or voyage number. For air shipments, enter applicable air release number or N/A.
  - (1) TCN (suffix).
  - (2) NSN and DODIC
  - (3) Dimensions of unitized loads (length, width, height), in inches
  - (4) Total rounds, total pieces, total weight, total cube.
  - (5) Lot number and NEW. For more than one lot, furnish the lot number, round count, pieces, weight, cube, and NEW for each lot.
  - (6) Project code, if applicable.
  - (7) Security classification (e.g., sensitive—Category II, SECRET, NONE, ETC.)  
(Signature Block)

Cons Directorate →		1	
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# INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

## FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management," etc.
- Item D. Enter name of system/item being acquired that data will support.
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer of CDRL.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

## FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

WMC-03-166

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved JMB No. 0704-0188	
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <u>NDTI</u>		
D. SYSTEM/ITEM 1377010849358ES		E. CONTRACT/PR NO. N0017403MP53118		F. CONTRACTOR		
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM TEST/INSPECTION REPORTS			3. SUBTITLE LOT ACCEPTANCE TEST		
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B		5. CONTRACT REFERENCE AIRMUNITION SPECIFICATION		6. REQUIRING OFFICE OO-ALC/WMJ		
7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED  D	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION BLK 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION ASREQ	a. ADDRESSEE		
16. REMARKS  BLOCK 4: Contractor format is acceptable.  BLOCK 7: The DD Form 250 shall be annotated with the Lot Number, National Stock Number and Nomenclature.  BLOCK 9: DISTRIBUTION STATEMENT D. Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (Date of Contract Award). Other requests shall be referred to (OO-ALC/WMJ).  BLOCK 10, 12, 13: Submit within 30 calendar days after completion of each Lot Acceptance Test.  WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979 (Title 50, U.S.C, App. 2401 et seq.), as amended. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directives 5230.25.				b. COPIES		
				Draft      Final Reg      Repro		
FOB DESTINATION  Dan Kerns Chief, Program Control Services Branch Air-to-Surface Munitions Directorate				OO-ALC WMCS		
				6034 DOGWOOD		
				AVE		
				HILL AFB UT		
				84056-5816		
				G. PREPARED BY <i>[Signature]</i> DM-WMCS 777-6075		
				J. DATE 07 MAY 03		

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE

IRM Approved  
JMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER <u>RELI</u>
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D. SYSTEM/ITEM 1377010849358ES	E. CONTRACT/PR NO. N0017403MP53118	F. CONTRACTOR
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1. DATA ITEM NO.  A003	2. TITLE OF DATA ITEM FAILURE ANALYSIS AND CORRECTIVE ACTION REPORT	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.) DI-RELI-81315	5. CONTRACT REFERENCE AIRMUNITION SPECIFICATION	6. REQUIRING OFFICE OO-ALC/WMJ
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED  D	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION BLK 16	14. DISTRIBUTION		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION ASREQ	a. ADDRESSEE	b. COPIES	
						Draft
					Reg	Repr

16. REMARKS	OO-ALC WMCS	1
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BLOCK 4: Delete paragraph 10.3.2 of DD Form 1664. Contractor format is acceptable.

BLOCK 8: Comments/approval/disapproval will be submitted within 30 calendar days after receipt by OO-ALC/WMJ.	HILL AFB UT			
	84056-5816			



<p><b>BLOCK 9: DISTRIBUTION STATEMENT D.</b> Distribution authorized to the Department of Defense and U.S. DoD contractors only (Critical Technology) (Date of Contract Award). Other requests shall be referred to OO-ALC/WMJ.</p>				

BLOCK 10,12,13: Submit within 7 calendar days of each failure. Final within 15 calendar days after receipt of OO-ALCs comments.				

<p>WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979 (Title 50, U.S.C, App. 2401 et seq.), as amended. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directives 5230.25.</p>																								
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FOR DESTINATION

**Dan Kerns**  
Chief, Program Control Services Branch  
Air-to-Surface Munitions Directorate

G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	
 DM-WMCS 777-626		07 MAY 03		 Dan Kerns		07 MAY 03	

DD FORM 1423-1 FEB 2001

PREVIOUS EDITION MAY BE USED.

Page 03 of 03 Pages

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE

SOURCE QUALIFICATION STATEMENT  
(10 USC SECTION 2319)

**SECTION A: ITEM IDENTIFICATION**

Stock Number (NSN): 1377-01-084-9358ES

Specification: 6010600

Nomenclature: Booster Chrage

Application: Parachute Actuator Assembly

**SECTION C: QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE AND QUALIFICATION WAIVER REQUIREMENTS.**

1. Prequalification Notice. The offeror shall notify OO-ALC/BC or, if responding to a solicitation, the contracting officer in OO-ALC/WMK of intent to qualify as a source for this item.
2. Test and Inspection Capability. The offeror shall certify to the design control activity (OO-ALC/WMJ), the availability of the required test, inspection, and diagnostic facilities and equipment, or provisions for their acquisition or utilization from another source. When the offeror proposed to acquire these items, the offeror shall provide documented equipment orders or similar documentation for government inspection.
3. Data Verification. A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the contracting office to USAF OO-ALC/WMJ. Hazard classification tests per TO 11A-1-47 paragraph 5-3 and a report on Hazard Classification tests per DI-SAFT-81299A must be performed in conjunction with the qualification efforts. Qualification must be accomplished IAW **6010600**.
4. Process Verification. The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the **Booster Chrage** being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity. Due to diminishing manufacturing sources (DMS), many of the piece-parts listed in the design may no longer be available. The contractor must be capable of locating alternative components to minimize any DMS problems.
5. Test and Evaluation or Verification. The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the **Booster Chrage**. The government retains the option to inspect the offeror's production and testing facilities. To allow accomplishing this, the offeror's facilities shall be made available to government inspection during the qualification effort upon ten days written notice of intent to inspect.
6. Qualification Article. Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall provide a non-serviceable **Booster Chrage** for performance of the production capability demonstration. This unit shall be produced at the offeror's expense and returned to the government for testing and verification of serviceability. The returned unit shall be evaluated by the cognizant design control activity and shall demonstrate full operational serviceability.

**Estimated likely costs for government unique testing and evaluation, which will be incurred by the potential offeror to become qualified: \$0.00**

7. Sensitive Military Technology. Not applicable.
8. Testing and Production Evaluation. The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements identified by **6010600**. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror will provide notification to the government of testing and evaluation 30 days in advance so that the government can witness, if needed, coordinate needed activities, support, etc.

SOURCE QUALIFICATION STATEMENT  
(10 USC SECTION 2319)

Stock Number (NSN): **1377-01-084-9358ES**  
Specification: 6010600  
Nomenclature: **Booster Chrage**  
Application: **Parachute Actuator Assembly**

9. Time Completion Estimate. It is the estimate of the design control activity that completion of this qualification effort should require 360 days. This is based on complexity of the **Booster Chrage** and other factors. This is not a deadline but a notification to a potential offeror of the time we believe will be required. Events that occur during the qualification process may cause this time requirement to increase or perhaps decrease, depending on individual circumstances.

10. Time Limitation. An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. Evaluation of Proposals Not Previously Qualified. The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in the source qualification statement before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12. Waiver. Any offeror who has had previous experience in the production of the **Booster Chrage** or other similar items may apply to the design control activity for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

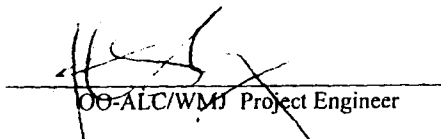
13. Approval. Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.


SOURCE QUALIFICATION STATEMENT  
(10 USC SECTION 2319)


Stock Number (NSN): 1377-01-084-9358ES  
Specification: 6010600  
Nomenclature: **Booster Chrage**  
Application: **Parachute Actuator Assembly**

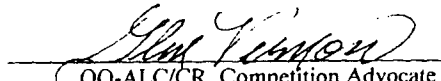
SECTION D: SIGNATURES


Review and Coordination:

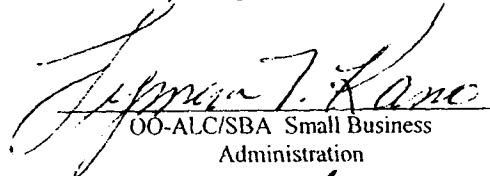
  
OO-ALC/WMJ Project Engineer  
12 JUL 02  
DATE

  
OO-ALC/WMJ Lead Engineer  
12 JUL 02  
DATE

  
OO-ALC/WM Lead Engineer  
12 JUL 02  
DATE

  
OO-ALC/CR Competition Advocate  
12 Jul 02  
DATE

  
OO-ALC/BC Office of Small and  
Disadvantaged Business Utilization  
17 Jul 02  
DATE

  
OO-ALC/SBA Small Business  
Administration  
22 Jul 02  
DATE

APPROVAL:

  
OO-ALC/WMK  
25 Jul 02  
DATE



REV:

## ENGINEERING DATA REQUIREMENTS

(ATTACHMENT "A")

NOTE. MILITARY SPECIFICATIONS /STANDARDS WILL NOT BE FURNISHED IN THE BID SET.

1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF

Cartridge Assembly, Booster

2. PART NUMBER

6010600

3. NATIONAL STOCK NUMBER

1377 01 084 9358ES

4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.

- a. Use O-Ring with Parker Compound E515-80 and size 3-902 with .239+- .005 I.D. and .064+- .003 cross section with NAS 1613 Material Specification in lieu of E204-01-902 O-Ring Seal.

PREPARED BY

Paul D. Caldwell

SYMBOL

LGMPPM

DATE

6 Aug 02



## SPECIAL PACKAGING INSTRUCTION

CODE ID  
98747SPI NO. (TPD)  
F01-052-8208

SHEET 1 OF 2

PART OR DRAWING NO.  
SEE TABLE 1NATIONAL STOCK NO.  
SEE TABLE 1CURRENT  
REV  
FILL C. CHARBONEAU *C. Charboneau*  
CHK L. OLIVER *L. Oliver*  
ENGR E. HANSEN *E. Hansen*  
AUTH A. BRIMHALL *A. Brimhall*

ITEM NOMENCLATURE

CARTRIDGE, IMPULSE

ORIGINAL  
DATE  
92046

MILITARY PRESERVATION IAW MIL-STD-2073

SERVICEABLE METHOD: 41

UNSERVICEABLE METHOD: 10

QUP 001

ICQ 052

CLEANING &amp; DRYING: IAW MIL-STD-2073

PRESERVATIVE: N/A

PACKING

AS SPECIFIED BELOW AND BILL OF MATERIALS

LEVEL	SPEC	STYLE	TYPE	CL	VRTY	GR
A	(SEE NOTICE 2)					
B	ASTM-D5118	RSC				V3c

LEVEL A

LEVEL B

GROSS CU FT (SEE NOTICE 2) 1.052

GROSS WT LBS (SEE NOTICE 2) 9.0

DESIGN FRAGILITY G 80 80

LENGTH

WIDTH

DEPTH

CNTNR I.D. 10 10 16

LEVEL B 10 3/8 10 3/8 16 3/4

ITEM DIM 5/8 5/8 1 1/8

ITEM WT LBS 3.25 LBS FOR 52 ea.

## MARKING

SPECIAL MARKINGS:

A) SPI NO. F01-052-8208

\*\*MARK THE SPI NUMBER ON THE CONTAINER.

B) UN POP MARKING [REDACTED]

C) PROPER SHIPPING NAME: CARTRIDGES FOR WEAPONS,  
BLANK UN 0014.\*\*THE LAST TWO DIGITS OF THE YEAR DURING  
WHICH THE PACKAGING WAS MANUFACTURED.

## CLOSURE

LEVEL A: SEE NOTICE 2

LEVEL B: IAW: ASTM-D1974

## NOTES:

1. USE ADDITIONAL (-2) CUSHIONING AS REQUIRED TO FILL  
ALL VOIDS AND ENSURE A SNUG FIT IN SHIPPING CONTAINER.

2. TOTAL QUANTITY IN SHIPPING CONTAINER IS 52 EACH.

NOTICE 1: CLASS 1 (EXPLOSIVE) MATERIAL OWNED BY THE DEPARTMENT OF DEFENSE (DOD), PACKAGED PRIOR TO JANUARY 1, 1990 IN ACCORDANCE WITH THE PACKAGING REQUIREMENTS IN EFFECT AT THAT TIME ARE EXCEPTED FROM THE REQUIREMENTS OF PERFORMANCE ORIENTED PACKAGING (POP) PROVIDED THE PACKAGINGS HAVE MAINTAINED THEIR INTEGRITY AND THE GOODS ARE DECLARED AS GOVERNMENT OWNED GOODS PACKAGED PRIOR TO JANUARY 1, 1990. THIS CLAUSE DOES NOT APPLY TO COMMERCIAL AIR SHIPMENTS. (REF. DLAD 4145.41/AFJ1 24-201)

NOTICE 2: FOR LEVEL A PACKING REQUIREMENTS: THE LEVEL B PACKS SHALL BE OVERBOXED IN A CONTAINER AS LISTED IN MIL-STD 2073. MARK THE OUTSIDE OF THE OVERBOX 'INSIDE (INNER) PACKAGES COMPLY WITH 4G/Y5/S/\*.' THE SIZE AND WEIGHT OF THE OVERBOX WILL VARY DEPENDING ON THE NUMBER OF ITEMS BEING SHIPPED. USE FILLER PAD OF ASTM D4727, CF, DOM, GR 275 (OR EQUAL) TO ASSURE A TIGHT FIT IN THE OVERBOX.

NOTICE 3: VARIATIONS TO THE PACKAGING REQUIREMENTS OF THIS SPI ARE AUTHORIZED IN ACCORDANCE WITH TITLE 49 CFR 178.601 (g) (4), VARIATION 4.

NOTICE 4: ASSETS PACKAGED IN ACCORDANCE WITH PREVIOUS EDITIONS OF THIS SPI DO NOT REQUIRE REPACKAGING.

NOTICE 5: TRAFFIC MANAGEMENT OFFICES OR ANY ACTIVITY BUYING SOLID WOOD MATERIAL TO USE FOR BUILDING OR ASSEMBLING PACKAGING MUST COMPLY WITH THE FOLLOWING REQUIREMENT FOR PURCHASING THE WOOD: 'ALL WOODEN PALLETS AND WOOD CONTAINERS PRODUCED OF NON-MANUFACTURED WOOD SHALL BE CONSTRUCTED FROM HEAT TREATED (HT TO 56 DEGREES CENTIGRADE FOR 30 MINUTES) MATERIAL AND CERTIFIED BY AN ACCREDITED AGENCY RECOGNIZED BY THE AMERICAN LUMBER STANDARDS COMMITTEE (ALSC) IN ACCORDANCE WITH NON-MANUFACTURED WOOD PACKING POLICY AND NON-MANUFACTURED WOOD PACKING ENFORCEMENT REGULATIONS BOTH DATED 30 MAY, 2001.' THESE DOCUMENTS CAN BE FOUND AT WWW.APHIS.USDA.GOV.

-3	52	SET UP CARTON	3 X 2 X 3	PPP-B-566 STYLE II, TYPE D, CLASS A, VARIETY 1
	A/R	CUSHIONING	A/R	A-A-1898 GRADE I
	52	BAG	3 X 3 (ID)	MIL-DTL-117 TYPE, I, CLASS F, STYLE, 1
PART NO.	QTY REQD	NOMENCLATURE OR DESCRIPTION	SIZE (INCHES UNLESS SPECIFIED)	MATERIAL SPECIFICATION

DD FORM 2169 MOD

COMPUTER GENERATED

DDPDPHM/USA/DDD/TR 93038

SPI NO. F01-052-8208

# SPECIAL PACKAGING INSTRUCTION

CODE ID  
98747

SPI NO. (TPD)  
F01-052-8208

ITEM NOMENCLATURE  
CARTRIDGE, IMPULSE

SHEET 2 OF 2

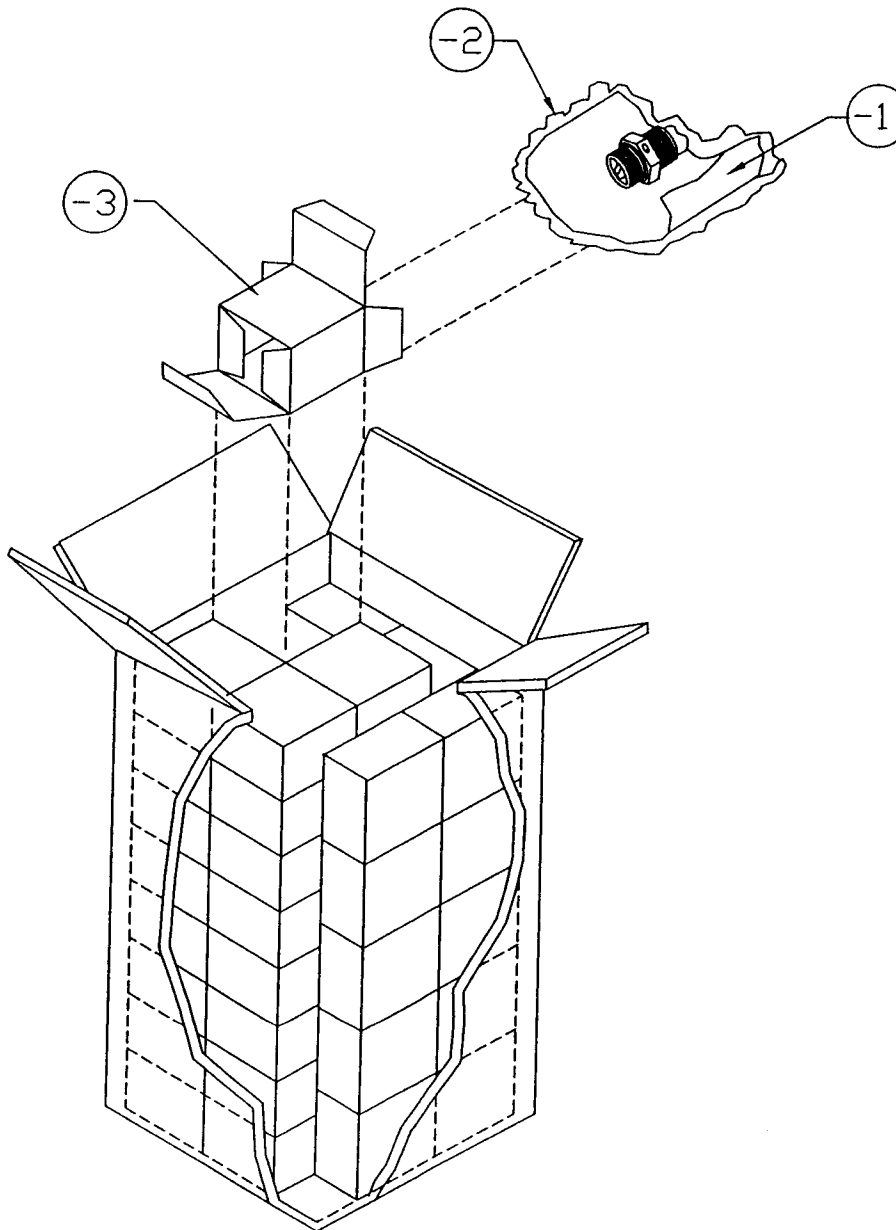


TABLE 1

NOTE: THE FOLLOWING NSN'S SHALL NOT BE MIX-PACKED IN THE SAME SHIPPING CONTAINER.

NSN	P/N	EX#	DIMENSIONS	NET WT.	N.E.W.
77-01-052-8208	1003-24	8808300	.6 DIA. X 1.1	3.25 LBS.	.0019
1377-01-084-9358	6010600	8912079	.6 DIA X 1.1	3.25 LBS.	.0002
1377-01-322-0071	9392046-1	9409144	.6 DIA X 1.1	3.25 LBS.	.0019